



September 13, 2017

Mr. Anthony Krone  
Risk Manager  
Shelby County Schools  
160 South Hollywood – Room 152  
Memphis, Tennessee 38112

**RE: Lead in Drinking Water Sampling  
E.E. Jeeter Elementary School  
7667 Benjestown Rd  
Millington, Tennessee  
Tioga Project No.: 24816.00**

Dear Mr. Krone,

At the request of Shelby County Schools (the Client), Tioga Environmental Consultants (Tioga) performed sampling of drinking water sources at the above referenced school for laboratory analysis of total lead concentrations. At the request of the Client, sampling was conducted on potable water sources in the kitchen and water fountains throughout the first floor of the school. Sampling was conducted early in the morning, before any potable water sources had been used for the day and prior to the arrival of any students or faculty.

On September 1, 2017, Tioga representative William Gray arrived onsite and was escorted through the building by Shelby County Schools risk management personnel. First-draw potable water samples were collected in accordance with the Environmental Protection Agency (EPA) regulations codified in 40 CFR 141.86, and were documented and transferred under chain-of-custody protocol to Waypoint Analytical Laboratories in Memphis, Tennessee for analysis of total lead content.

**Results Based on Laboratory Analysis:**

Table 1 on the following page summarizes the sampling locations, laboratory analytical results, and EPA action level for lead in drinking water. Sample results with a “<” symbol did not contain lead content above the laboratory detection limit.

**Down-to-earth partners. Sky's-the-limit solutions.**

**Table 1**  
**Summary of Analytical Results**  
**E.E. Jeeter Elementary School**  
**September 1, 2017**

Sample ID	Sample Location	Total Lead (µg/L)	EPA Action Level (µg/L)
6-1	Cafeteria Sink	<0.513	15
6-2	Cafeteria Water Fountain	<0.513	
6-3	Water Fountain Outside Room 101	<0.513	
6-4	Water Fountain Outside Room 103	<0.513	
6-5	Sink on Boys' Side (Far Right) Across From Room 104	0.529	
6-6	Water Fountain in Gym	<0.513	
6-7	Right Sink in Boys' Bathroom in Gym	3.38	

(µg/L) = Micrograms of lead per liter of water (parts per billion)

A review of the laboratory analytical results of the water samples collected revealed that no water samples collected during this sampling event exhibited total lead levels above the EPA action level for drinking water.

**Recommendations:**

Based upon the laboratory analytical results of the seven potable water samples collected from E.E. Jeeter Elementary School, Tioga has found no evidence of elevated lead concentrations above the EPA action level for drinking water, and therefore makes no recommendation for further testing at this site.

**Limitations**

Potable water sources with elevated lead levels may potentially be present in areas of the property that are not addressed with this report. This investigation only included the potable water sources specifically addressed.

We appreciate the opportunity to provide you with this service. Should you have any questions regarding this report, please contact me at (901) 791-2432.

Sincerely,  
TIOGA ENVIRONMENTAL CONSULTANTS, INC.



Eric Davis, CIE  
Environmental Scientist

**Enclosure: (1) Laboratory Analytical Report**

9/8/2017

Tioga Environmental Consultants  
 Mr. Luke Hall  
 357 North Main Street  
 Memphis, TN, 38103

Ref: Analytical Testing  
 Lab Report Number: 17-244-0300  
 Client Project Description: Site 6  
 Project# 24816.00

Dear Mr. Luke Hall:  
 Waypoint Analytical, Inc. received sample(s) on 9/1/2017 for the analyses presented in the following report.

The above referenced project has been analyzed per your instructions. The analyses were performed in accordance with the applicable analytical method.

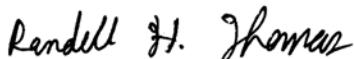
The analytical data has been validated using standard quality control measures performed as required by the analytical method. Quality Assurance, method validations, instrumentation maintenance and calibration for all parameters (NELAP and non-NELAP) were performed in accordance with guidelines established by the USEPA (including 40 CFR 136 Method Update Rule May 2012) and NELAC unless otherwise indicated. Any parameter for which the laboratory is not officially NELAP accredited is indicated by a '~' symbol. These are not included in the scope because NELAP accreditation is either not available or has not been applied for. Additional certifications may be held/are available for parameters, where NELAP accreditation is not required or applicable. A full list of certifications is available upon request.

Certain parameters (chlorine, pH, dissolved oxygen, sulfite...) are required to be analyzed within 15 minutes of sampling. Usually, but not always, any field parameter analyzed at the laboratory is outside of this holding time. Refer to sample analysis time for confirmation of holding time compliance.

The results are shown on the attached Report of Analysis(s). Results for solid matrices are reported on an as-received basis unless otherwise indicated. This report shall not be reproduced except in full and relates only to the samples included in this report.

Please do not hesitate to contact me or client services if you have any questions or need additional information.

Sincerely,



Randy Thomas  
 Project Manager

*Laboratory's liability in any claim relating to analyses performed shall be limited to, at laboratory's option, repeating the analysis in question at laboratory's expense, or the refund of the charges paid for performance of said analysis.*

Alabama #40750	Louisiana #04015	VA NELAP #460181	Texas #T104704180-11-6	Arkansas #88-0650
Mississippi	California #2904	NC #415	Oklahoma #9311	Virginia #00106
Kentucky #90047	Tennessee #TN02027	EPA #TN00012	Kentucky UST #41	





2790 Whitten Road, Memphis, TN 38133  
Main 901.213.2400 ° Fax 901.213.2440  
www.waypointanalytical.com

06510

Tioga Environmental Consultants  
Mr. Luke Hall  
357 North Main Street  
Memphis , TN 38103

Project Site 6  
Information : Project# 24816.00

Report Date : 9/8/2017

Report Number : **17-244-0300**

**REPORT OF ANALYSIS**

Received : 9/1/2017

Lab No : **89530**

Matrix: **Aqueous**

Sample ID : **6-1**

Sampled: **9/1/2017 6:51**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Total Lead	<0.513	µg/L	0.513	1	09/07/17 12:00	BKN	EPA-200.8

Lab No : **89531**

Matrix: **Aqueous**

Sample ID : **6-2**

Sampled: **9/1/2017 6:52**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Total Lead	<0.513	µg/L	0.513	1	09/07/17 12:05	BKN	EPA-200.8

Lab No : **89532**

Matrix: **Aqueous**

Sample ID : **6-3**

Sampled: **9/1/2017 6:55**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Total Lead	<0.513	µg/L	0.513	1	09/07/17 12:10	BKN	EPA-200.8

Lab No : **89533**

Matrix: **Aqueous**

Sample ID : **6-4**

Sampled: **9/1/2017 6:56**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Total Lead	<0.513	µg/L	0.513	1	09/07/17 12:15	BKN	EPA-200.8

Qualifiers/  
Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit



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[www.waypointanalytical.com](http://www.waypointanalytical.com)

06510

Tioga Environmental Consultants  
Mr. Luke Hall  
357 North Main Street  
Memphis , TN 38103

Project Site 6  
Information : Project# 24816.00

Report Date : 9/8/2017

Report Number : **17-244-0300**

**REPORT OF ANALYSIS**

Received : 9/1/2017

Lab No : **89534**

Matrix: **Aqueous**

Sample ID : **6-5**

Sampled: **9/1/2017 7:00**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Total Lead	<b>0.529</b>	µg/L	0.513	1	09/07/17 12:26	BKN	EPA-200.8

Lab No : **89535**

Matrix: **Aqueous**

Sample ID : **6-6**

Sampled: **9/1/2017 7:02**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Total Lead	<0.513	µg/L	0.513	1	09/07/17 12:31	BKN	EPA-200.8

Lab No : **89536**

Matrix: **Aqueous**

Sample ID : **6-7**

Sampled: **9/1/2017 7:04**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Total Lead	<b>3.38</b>	µg/L	0.513	1	09/07/17 16:58	BKN	EPA-200.8

**Qualifiers/  
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit

### Cooler Receipt Form

Customer Number: **06510**

Customer Name: **Tioga Environmental Consultants**

Report Number: **17-244-0300**

#### Shipping Method

<input type="radio"/> Fed Ex	<input type="radio"/> US Postal	<input type="radio"/> Lab	<input type="radio"/> Other :	<input type="text"/>
<input type="radio"/> UPS	<input checked="" type="radio"/> Client	<input type="radio"/> Courier	Thermometer ID:	<input type="text"/> NA

Shipping container/cooler uncompromised?  Yes  No

Number of coolers received  1

Custody seals intact on shipping container/cooler?  Yes  No  Not Required

Custody seals intact on sample bottles?  Yes  No  Not Required

Chain of Custody (COC) present?  Yes  No

COC agrees with sample label(s)?  Yes  No

COC properly completed  Yes  No

Samples in proper containers?  Yes  No

Sample containers intact?  Yes  No

Sufficient sample volume for indicated test(s)?  Yes  No

All samples received within holding time?  Yes  No

Cooler temperature in compliance?  Yes  No

Cooler/Samples arrived at the laboratory on ice.  
 Samples were considered acceptable as cooling process had begun.

Water - Sample containers properly preserved  Yes  No  N/A

Water - VOA vials free of headspace  Yes  No  N/A

Trip Blanks received with VOAs  Yes  No  N/A

Soil VOA method 5035 – compliance criteria met  Yes  No  N/A

High concentration container (48 hr)  Low concentration EnCore samplers (48 hr)

High concentration pre-weighed (methanol -14 d)  Low conc pre-weighed vials (Sod Bis -14 d)

Special precautions or instructions included?  Yes  No

Comments:

Kit ID:	0000085576
Initiated By:	Andy Parrish
Initiated Date:	8/30/2017
Project Comment	

## CHAIN-OF-CUSTO

  
 Tioga Environmental Consultants  
 Site 6

17-244-0300  
 06510  
 09-01-2017  
 14:26:10

Company Name		Company Number	Client Project Manager/Contact				Purchase Order Number	
Tioga Environmental Consultants		06510	Mr. Luke Hall					
Site Name		Project Number	<input type="checkbox"/> RUSH – Additional charges apply <input type="checkbox"/> Special Detection Limits(s) Date Results Needed				Method of Shipment	
6		24816.00	<input type="checkbox"/> Fed Ex <input type="checkbox"/> UPS <input type="checkbox"/> USPS <input type="checkbox"/> Courier <input type="checkbox"/> Client Drop Off Other					
LIMS Project ID		Project Manager Phone #	Project Manager Email				Site/Facility ID #	
		(901) 791-2432	lhall@tiogaenv.com					
Date	Time	Sample ID	Matrix	Grab/Comp	# of Cont	Container Type	Preservation	Analyses
2017								
9-1	0651	6-1	Aqueous	G	1	Plastic - Pint	NONE	Total Lead/DW
9-1	0652	6-2	Aqueous	1	1	Plastic - Pint	NONE	Total Lead/DW
9-1	0655	6-3	Aqueous		1	Plastic - Pint	NONE	Total Lead/DW
9-1	0656	6-4	Aqueous		1	Plastic - Pint	NONE	Total Lead/DW
9-1	0700	6-5	Aqueous		1	Plastic - Pint	NONE	Total Lead/DW
9-1	0702	6-6	Aqueous		1	Plastic - Pint	NONE	Total Lead/DW
9-1	0704	6-7	Aqueous	✓	1	Plastic - Pint	NONE	Total Lead/DW

For Laboratory Use Only			Sampled by (Name - Print)	Client Remarks/Comments				
Ice Y/N	Custody Seals Y/N	Lab Comments	Relinquished by: (SIGNATURE)	Date	Time	Received by: (SIGNATURE)	Date	Time
			William Gray			Philip J. Am		
			Relinquished by: (SIGNATURE)	9/1/17	1200		9/1/17	1200
			Philip J. Am	9/1/17	1237			
			Relinquished by: (SIGNATURE)			Received by: (SIGNATURE)	Date	Time
			Carol Duley			Carol Duley	9/1/17	12:37
		Blank/Cooler Temp						